

# TABITHA BURCHARD

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## PROFILE

I am a life science professional with over 15 years of experience in complex laboratory environments. I have recently completed an eight-week hands-on, immersive training program through BioConnect DE, designed and taught by industry-experienced scientists. I have proven technical expertise in installing, servicing, repairing, and qualifying HPLC/UPLC systems. I have extensive experience in sample preparation and analysis, with a strong background in microbiology, toxicology, and quality control. I am proficient at operating and maintaining laboratory equipment, following standardized procedures, and ensuring compliance with regulatory standards. Known for accuracy, efficiency, and commitment to maintaining high-quality laboratory practices.

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## TECHNICAL TRAINING & PROFESSIONAL SKILLS

- Problem Solving
  - Teamwork
  - Aseptic Technique
  - Microbiology/ELISA
  - Handling and safety protocols for chemicals and biohazard materials
  - Instrument Maintenance and Repair
  - Quality Management Systems (ISO 9001)
  - GDP and GMP Training
  - SAP
  - HPLC/UPLC
  - SOPs
  - LC-MS/MS
  - HPLC/UPLC
  - Microsoft Suite
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## EDUCATION

**BioManufacturing — BioConnect DE**, Newark, DE March 2026  
*Certificate of Completion*

**University of Delaware** — Newark, DE Sept. 1999 – May 2004  
Bachelor of Science — Dual Degree: Agriculture and Agriculture Education

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## WORK EXPERIENCE

**PerkinElmer - Contract** — Wilmington, DE March 2026 – Present  
Technical Lab Assistant Supervisor

- Provide operational and technical support for LC-MS, HPLC, and GC-MS systems.
- Support sample preparation and workflow coordination to maintain efficiency and organization.
- Maintain accurate documentation and instrument logs in alignment with internal procedures and best practices.

**Waters Corporation** — Remote (Texas) Oct. 2018 – Mar. 2024

Technical Service Specialist      July 2022 – March 2024

Field Service Specialist          Oct. 2018 – March 2022

- Installed, maintained, and troubleshoot Waters and Agilent HPLC/UPLC systems to ensure optimal performance across client sites in the Texas/Oklahoma area.
- Deliver remote-first support for instrumentation and Empower/Breeze software for the North Americas, improving first-time resolution and minimizing downtime.
- Performed annual and preventive maintenance and conducted post-service calibration and qualification.
- Diagnosed instrument and software issues, identified root causes, and made recommendations for on-site support.
- Documented all service activities and customer interactions in SAP to support traceability and regulatory standards.
- Ensure full compliance with ISO 9001 and ISO 13485 quality standards during all service activities.

**AIT Laboratories (A Health Track RX Company)** — Denton, TX

Feb. 2014 – Sept. 2018

Technical Lab Assistant Supervisor

- Conducted daily QC testing, calibration, and troubleshooting of Waters LC/LCMS systems.
- Reviewed QC data and documentation to ensure compliance with regulatory and quality standards.
- Prepared samples, buffers, and mobile phases to support sterile technique and reliable instrument performance.
- Maintained sample integrity of clinical specimens for semi-quantitative toxicology testing.
- Led laboratory training and wrote SOPs to standardize quality procedures and maintain safety compliance.

**MedFusion** — Lewisville, TX

Nov. 2013 – Feb. 2014

Microbiology Laboratory Assistant

- Prepared, labeled, and processed clinical specimens for microbiological analysis.
- Performed tasks such as culture plating, Gram staining, and sample inoculation using aseptic techniques.
- Prepared samples, buffers, and mobile phases to support sterile technique and reliable instrument performance.
- Maintained laboratory equipment, autoclaved media and waste, and restocked supplies to support lab operations.
- Processed and handled infectious specimens in a BSL-3 laboratory environment.

**SDIX, LLC** — Newark, DE

Feb. 2012 – Sept. 2013

Scientist I

- Performed protein purification in high-throughput laboratory environment.
- Conducted coating and analysis of ELISA plates utilizing pipetting skills.
- Produced phage for targeted foodborne pathogen detection and testing applications.
- Operated AKTA purification system for affinity chromatography and other separation techniques.
- Performed equipment calibration, maintenance, and QC checks in compliance with GMP standards.
- Adherence to chemical safety protocols, controlled documentation, and quality system procedures.

**University of Pennsylvania, New Bolton Center** — Kennett Square, PA

Feb. 2007 – Feb. 2012

Laboratory Technician

- Specialized in the isolation and identification of *Salmonella* spp. From environmental and animal specimens.
- Performed diagnostic testing and sample analysis as part of the Pennsylvania Animal Diagnostic Laboratory System and the Pennsylvania Egg Quality Assurance Program.
- Validated and implemented RT-PCR procedures for the detection of *Salmonella enteritidis* following FDA and AAVLD protocols.
- Conducted setup, identification, and reporting of aerobic, anaerobic, and fungal cultures, including antimicrobial susceptibility testing for diagnostic purposes.

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## COMMUNITY ORGANIZATION MEMBERSHIPS & VOLUNTEER EXPERIENCE

▪ Women in Bio – Philadelphia Metro Chapter

Nov. 2025 – Present

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